





PAGER

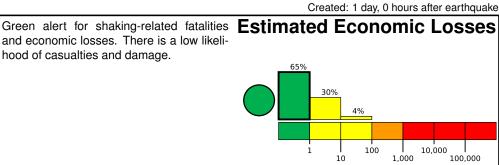
Version 4

M 5.4, 35 km NNE of Biri, Philippines

Origin Time: 2020-12-07 14:37:24 UTC (Mon 22:37:24 local) Location: 12.9784° N 124.5019° E Depth: 71.2 km

Estimated Fatalities 10,000 1,000

and economic losses. There is a low likelihood of casualties and damage.



Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	7,616k	2,688k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan

5000 10000 123.6°E 124.8°E 125.9°E 14.4°N albayog City Borongan

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty. https://earthquake.usgs.gov/earthquakes/eventpage/us7000cnu3#pager

Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1999-12-15	187	4.8	VI(34k)	1
1990-02-08	357	6.7	VIII(96k)	1
1994-11-14	377	7.1	VIII(1,086k)	78

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org MMI City Population IV Carriedo 2k IV Gubat 14k IV Rizal 3k IV Sugod 2k IV Bagacay 3k IV Prieto Diaz <1kI۷ Legaspi 179k Ш Iriga City 95k Ш Naga 175k Ш **Panalanoy** 189k

bold cities appear on map.

Roxas City

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103k (k = x1000)

Event ID: us7000cnu3